



Alpha Analytical Laboratories, Inc. email: clientservices@alpha-labs.com
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04 February 2020

Sandia National Laboratories

John Chavarria

Accounts Payable MS1385 / PO Box 5800

Albuquerque, NM 87185

RE: ST - Storm Water Samples

Work Order: 20A2422

Enclosed are the results of analyses for samples received by the laboratory on 01/17/20 21:47. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jeanette L. Poplin For Sheri L. Speaks

Project Manager

In the California Industrial General Permit (IGP) 2014-0057-DWQ for storm water monitoring, effective July 1, 2015, there are 21 contaminants that have been assigned NAL (Numeric Action Level) values, both annual and instantaneous.

For annual NALs, an exceedance occurs when the average of all analytical results from all samples taken at a facility during a reporting year for a given parameter exceeds an annual NAL value listed in Table 2 of the General Permit. For instantaneous maximum NALs, an exceedance occurs when two or more analytical results from samples taken for any parameter within a reporting year exceed the instantaneous maximum NAL value (for TSS and O&G), or are outside of the instantaneous maximum NAL range (for pH) listed in Table 2. Table 2 is attached here for your review.



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TABLE 2: Parameter NAL Values, Test Methods, and Reporting Units

PARAMETER	TEST METHOD	REPORTING UNITS	ANNUAL NAL	INSTANTANEOUS MAXIMUM NAL
pH*	See Section XI.C.2	pH units	N/A	Less than 6.0 Greater than 9.0
Suspended Solids (TSS)*, Total	SM 2540-D	mg/L	100	400
Oil & Grease (O&G)*, Total	EPA 1664A	mg/L	15	25
Zinc, Total (H)	EPA 200.8	mg/L	0.26**	
Copper, Total (H)	EPA 200.8	mg/L	0.0332**	
Cyanide, Total	SM 4500-CN C, D, or E	mg/L	0.022	
Lead, Total (H)	EPA 200.8	mg/L	0.262**	
Chemical Oxygen Demand (COD)	SM 5220C	mg/L	120	
Aluminum, Total	EPA 200.8	mg/L	0.75	
Iron, Total	EPA 200.7	mg/L	1.0	
Nitrate + Nitrite Nitrogen	SM 4500-NO3- E	mg/L as N	0.68	
Total Phosphorus	SM 4500-P B+E	mg/L as P	2.0	
Ammonia (as N)	SM 4500-NH3 B+ C or E	mg/L	2.14	
Magnesium, total	EPA 200.7	mg/L	0.064	
Arsenic, Total (c)	EPA 200.8	mg/L	0.15	
Cadmium, Total (H)	EPA 200.8	mg/L	0.0053**	
Nickel, Total (H)	EPA 200.8	mg/l	1.02**	
Mercury, Total	EPA 245.1	mg/L	0.0014	
Selenium, Total	EPA 200.8	mg/L	0.005	
Silver, Total (H)	EPA 200.8	mg/L	0.0183**	
Biochemical Oxygen Demand (BOD)	SM 5210B	mg/L	30	

SM – Standard Methods for the Examination of Water and Wastewater, 18th edition
 EPA – U.S. EPA test methods
 (H) – Hardness dependent

* Minimum parameters required by this General Permit

**The NAL is the highest value used by U.S. EPA based on their hardness table in the 2008 MSGP.

from the NPDES General Permit for Storm Water Discharges Associated with Industrial Activities
 General Order 2014-0057-DWQ



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Sandia National Laboratories Accounts Payable MS1385 / PO Box 5800 Albuquerque NM, 87185	Project Manager: John Chavarria Project: ST - Storm Water Samples Project Number: ST-011620	Reported: 02/04/20 09:55
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Bay Area: 262 Rickenbacker Circle | Livermore, CA 94551 | T: 925-828-6226 | F: 925-828-6309 | ELAP# 2728
Central Valley: 9090 Union Park Way Suite 113 | Elk Grove, CA 95624 | T: 916-686-5190 | F: 916-686-5192 | ELAP# 2922
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San Diego Service Center: 2722 Loker Avenue West Suite A | Carlsbad, CA 92010 | T: 760-930-2555 | F: 760-930-2510

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
ST-11-011620 Station 11	20A2422-01	Water	01/16/20 12:00	01/17/20 21:47
ST-13-2-011620 Station 13-2	20A2422-02	Water	01/16/20 12:10	01/17/20 21:47
ST-11-011620Q Station 11	20A2422-03	Water	01/16/20 12:00	01/17/20 21:47



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Albuquerque NM, 87185

Project Manager: John Chavarria
Project: ST - Storm Water Samples
Project Number: ST-011620

Reported:
02/04/20 09:55

ST-11-011620 Station 11
20A2422-01(Water)

Analyte	MDL	RL	NAL	Result	Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	ELAP #	Notes
Metals by EPA 200 Series Methods													
Iron	0.050	0.10	1.0	2.6	mg/L	1	AA04698	01/27/20 11:55	01/31/20 13:24	EPA 200.7	MAM	1551	
Metals by EPA Method 200.8 ICP/MS													
Aluminum	0.0050	0.050	0.75	2.1	mg/L	4	AA04694	01/27/20 15:20	02/01/20 01:49	EPA 200.8	SMP	1551	
Lead	0.0024	0.0050	0.26	0.0032	mg/L	4	AA04694	01/27/20 15:20	02/01/20 01:49	EPA 200.8	SMP	1551	J
Zinc	0.016	0.050	0.26	0.079	mg/L	4	AA04694	01/27/20 15:20	02/01/20 01:49	EPA 200.8	SMP	1551	
Conventional Chemistry Parameters by APHA/EPA Methods													
Chemical Oxygen Demand	9.0	50	120	28	mg/L	1	AA04814	01/29/20 09:00	01/30/20 09:00	SM5220D	EV	1551	J
Oil & Grease (HEM)	1.4	5.0	15	ND	mg/L	1	AA04386	01/22/20 14:00	01/24/20 08:00	EPA 1664A	JLH	1551	U
Total Suspended Solids	0.30	1.0	100	41	mg/L	1	AA04446	01/22/20 14:10	01/23/20 10:50	SM2540D	WCS	1551	
Nitrate + Nitrite as N	0.040	0.20	0.68	0.16	mg/L	1	AA04471	01/22/20 16:00	01/23/20 16:00	SM4500-NO3 E	EV	1551	J
Phosphorus, total	0.010	0.040	2.0	0.19	mg/L	1	AA04371	01/27/20 09:20	01/27/20 13:24	SM4500-P E	JVO	1551	



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Project: ST - Storm Water Samples
Project Number: ST-011620

Reported:
02/04/20 09:55

ST-13-2-011620 Station 13-2
20A2422-02(Water)

Analyte	MDL	RL	NAL	Result	Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	ELAP #	Notes
Metals by EPA 200 Series Methods													
Iron	0.050	0.10	1.0	2.0	mg/L	1	AA04698	01/27/20 11:55	01/31/20 13:28	EPA 200.7	MAM	1551	
Metals by EPA Method 200.8 ICP/MS													
Aluminum	0.0050	0.050	0.75	1.6	mg/L	4	AA04694	01/27/20 15:20	02/01/20 01:58	EPA 200.8	SMP	1551	
Lead	0.0024	0.0050	0.26	0.0042	mg/L	4	AA04694	01/27/20 15:20	02/01/20 01:58	EPA 200.8	SMP	1551	J
Zinc	0.016	0.050	0.26	0.097	mg/L	4	AA04694	01/27/20 15:20	02/01/20 01:58	EPA 200.8	SMP	1551	
Conventional Chemistry Parameters by APHA/EPA Methods													
Chemical Oxygen Demand	9.0	50	120	20	mg/L	1	AA04814	01/29/20 09:00	01/30/20 09:00	SM5220D	EV	1551	J
Oil & Grease (HEM)	1.4	5.0	15	1.5	mg/L	1	AA04386	01/22/20 14:00	01/24/20 08:00	EPA 1664A	JLH	1551	J
Total Suspended Solids	0.30	1.0	100	32	mg/L	1	AA04446	01/22/20 14:10	01/23/20 10:50	SM2540D	WCS	1551	
Nitrate + Nitrite as N	0.040	0.20	0.68	0.22	mg/L	1	AA04471	01/22/20 16:00	01/23/20 16:00	SM4500-NO3 E	EV	1551	
Phosphorus, total	0.010	0.040	2.0	0.15	mg/L	1	AA04371	01/27/20 09:20	01/27/20 13:24	SM4500-P E	JVO	1551	



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Project: ST - Storm Water Samples
Project Number: ST-011620

Reported:
02/04/20 09:55

ST-11-011620Q Station 11
20A2422-03(Water)

Analyte	MDL	RL	NAL	Result	Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	ELAP #	Notes
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Metals by EPA 200 Series Methods

Iron	0.050	0.10	1.0	2.6	mg/L	1	AA04698	01/27/20 11:55	01/31/20 13:33	EPA 200.7	MAM	1551	
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Metals by EPA Method 200.8 ICP/MS

Aluminum	0.0050	0.050	0.75	2.1	mg/L	4	AA04694	01/27/20 15:20	02/01/20 02:07	EPA 200.8	SMP	1551	
Lead	0.0024	0.0050	0.26	0.0041	mg/L	4	AA04694	01/27/20 15:20	02/01/20 02:07	EPA 200.8	SMP	1551	J
Zinc	0.016	0.050	0.26	0.076	mg/L	4	AA04694	01/27/20 15:20	02/01/20 02:07	EPA 200.8	SMP	1551	

Conventional Chemistry Parameters by APHA/EPA Methods

Chemical Oxygen Demand	9.0	50	120	50	mg/L	1	AA04814	01/29/20 09:00	01/30/20 09:00	SM5220D	EV	1551	
Oil & Grease (HEM)	1.4	5.0	15	1.4	mg/L	1	AA04386	01/22/20 14:00	01/24/20 08:00	EPA 1664A	JLH	1551	J
Total Suspended Solids	0.30	1.0	100	44	mg/L	1	AA04446	01/22/20 14:10	01/23/20 10:50	SM2540D	WCS	1551	
Nitrate + Nitrite as N	0.040	0.20	0.68	0.18	mg/L	1	AA04471	01/22/20 16:00	01/23/20 16:00	SM4500-NO3 E	EV	1551	J
Phosphorus, total	0.010	0.040	2.0	0.20	mg/L	1	AA04371	01/27/20 09:20	01/27/20 13:24	SM4500-P E	JVO	1551	



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Albuquerque NM, 87185	Project Number: ST-011620	

Metals by EPA 200 Series Methods - Quality Control

Alpha Analytical Laboratories, Inc.

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch AA04698 - Metals Digest										
Blank (AA04698-BLK1)					Prepared: 01/27/20 Analyzed: 01/31/20					
Iron	ND	0.050	0.10	mg/L						U
LCS (AA04698-BS1)					Prepared: 01/27/20 Analyzed: 01/31/20					
Iron	1.76	0.050	0.10	mg/L	2.00		88.0 85-115			
Duplicate (AA04698-DUP1)					Source: 20A2353-01 Prepared: 01/27/20 Analyzed: 01/31/20					
Iron	0.462	0.050	0.10	mg/L		0.392		16.5	20	
Matrix Spike (AA04698-MS1)					Source: 20A2353-01 Prepared: 01/27/20 Analyzed: 01/31/20					
Iron	2.54	0.050	0.10	mg/L	2.00	0.392	107 70-130			
Matrix Spike (AA04698-MS2)					Source: 20A2347-01 Prepared: 01/27/20 Analyzed: 01/31/20					
Iron	3.08	0.050	0.10	mg/L	2.00	1.19	94.8 70-130			
Matrix Spike Dup (AA04698-MSD1)					Source: 20A2353-01 Prepared: 01/27/20 Analyzed: 01/31/20					
Iron	2.33	0.050	0.10	mg/L	2.00	0.392	96.9 70-130	8.49	20	



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Project: ST - Storm Water Samples
Project Number: ST-011620

Reported:
02/04/20 09:55

Metals by EPA Method 200.8 ICP/MS - Quality Control

Alpha Analytical Laboratories, Inc.

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AA04694 - EPA 200.8

Blank (AA04694-BLK1)

Prepared: 01/27/20 Analyzed: 01/31/20

Aluminum	ND	0.0050	0.050	mg/L							U
Zinc	ND	0.0040	0.050	mg/L							U
Lead	ND	0.00060	0.0050	mg/L							U

LCS (AA04694-BS1)

Prepared: 01/27/20 Analyzed: 01/31/20

Zinc	0.103	0.0040	0.050	mg/L	0.100		103	85-115			
Lead	0.0205	0.00060	0.0050	mg/L	0.0200		102	85-115			
Aluminum	0.516	0.0050	0.050	mg/L	0.520		99.2	85-115			

Duplicate (AA04694-DUP1)

Source: 20A2392-01

Prepared: 01/27/20 Analyzed: 01/31/20

Aluminum	0.0818	0.0050	0.050	mg/L		0.0986			18.6	20	
Lead	ND	0.0024	0.0050	mg/L		ND				20	U
Zinc	0.0208	0.016	0.050	mg/L		0.0218			4.63	20	J

Matrix Spike (AA04694-MS1)

Source: 20A2392-01

Prepared: 01/27/20 Analyzed: 01/31/20

Zinc	0.115	0.016	0.050	mg/L	0.100	0.0218	92.9	70-130			
Aluminum	0.573	0.0050	0.050	mg/L	0.520	0.0986	91.1	70-130			
Lead	0.0193	0.0024	0.0050	mg/L	0.0200	ND	96.6	70-130			

Matrix Spike (AA04694-MS2)

Source: 20A2344-01

Prepared: 01/27/20 Analyzed: 01/31/20

Aluminum	0.880	0.0050	0.050	mg/L	0.520	0.378	96.4	70-130			
Zinc	0.264	0.016	0.050	mg/L	0.100	0.164	99.9	70-130			
Lead	0.0240	0.0024	0.0050	mg/L	0.0200	0.00286	106	70-130			

Matrix Spike Dup (AA04694-MSD1)

Source: 20A2392-01

Prepared: 01/27/20 Analyzed: 01/31/20

Lead	0.0202	0.0024	0.0050	mg/L	0.0200	ND	101	70-130	4.63	20	
Zinc	0.121	0.016	0.050	mg/L	0.100	0.0218	99.5	70-130	5.60	20	
Aluminum	0.600	0.0050	0.050	mg/L	0.520	0.0986	96.5	70-130	4.74	20	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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Accounts Payable MS1385 / PO Box 5800	Project: ST - Storm Water Samples	02/04/20 09:55
Albuquerque NM, 87185	Project Number: ST-011620	

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Alpha Analytical Laboratories, Inc.

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AA04371 - General Prep

Blank (AA04371-BLK1)					Prepared & Analyzed: 01/27/20						
Phosphorus, total	ND	0.010	0.040	mg/L							U
LCS (AA04371-BS1)					Prepared & Analyzed: 01/27/20						
Phosphorus, total	0.199	0.010	0.040	mg/L	0.200		99.4	85-115			
Duplicate (AA04371-DUP1)					Source: 20A2283-02 Prepared & Analyzed: 01/27/20						
Phosphorus, total	0.246	0.010	0.040	mg/L		0.255			3.66	20	
Matrix Spike (AA04371-MS1)					Source: 20A2283-02 Prepared & Analyzed: 01/27/20						
Phosphorus, total	0.437	0.010	0.040	mg/L	0.200	0.255	91.2	70-130			
Matrix Spike (AA04371-MS2)					Source: 20A2283-06 Prepared & Analyzed: 01/27/20						
Phosphorus, total	0.394	0.010	0.040	mg/L	0.200	0.220	87.2	70-130			
Matrix Spike Dup (AA04371-MSD1)					Source: 20A2283-02 Prepared & Analyzed: 01/27/20						
Phosphorus, total	0.440	0.010	0.040	mg/L	0.200	0.255	92.5	70-130	0.599	20	

Batch AA04386 - General Preparation

Blank (AA04386-BLK1)					Prepared: 01/22/20 Analyzed: 01/24/20						
Oil & Grease (HEM)	ND	1.4	5.0	mg/L							U
LCS (AA04386-BS1)					Prepared: 01/22/20 Analyzed: 01/24/20						
Oil & Grease (HEM)	31.9	1.4	5.0	mg/L	40.0		79.8	78-114			
LCS Dup (AA04386-BSD1)					Prepared: 01/22/20 Analyzed: 01/24/20						
Oil & Grease (HEM)	31.5	1.4	5.0	mg/L	40.0		78.8	78-114	1.26	18	



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Albuquerque NM, 87185	Project Number: ST-011620	

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Alpha Analytical Laboratories, Inc.

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AA04386 - General Preparation

Matrix Spike (AA04386-MS1)		Source: 20A2198-02			Prepared: 01/22/20 Analyzed: 01/24/20						
Oil & Grease (HEM)	31.2	1.4	5.0	mg/L	40.0	ND	78.0	78-114			

Batch AA04446 - General Preparation

Blank (AA04446-BLK1)		Prepared: 01/22/20 Analyzed: 01/23/20									
Total Suspended Solids	ND	0.30	1.0	mg/L							U

Duplicate (AA04446-DUP1)		Source: 20A2497-01			Prepared: 01/22/20 Analyzed: 01/23/20						
Total Suspended Solids	49.6	0.30	1.0	mg/L		50.6			2.20	30	

Duplicate (AA04446-DUP2)		Source: 20A2520-02			Prepared: 01/22/20 Analyzed: 01/23/20						
Total Suspended Solids	251	0.30	1.0	mg/L		261			3.75	30	

Batch AA04471 - General Preparation

Blank (AA04471-BLK1)		Prepared: 01/22/20 Analyzed: 01/23/20									
Nitrate + Nitrite as N	ND	0.040	0.20	mg/L							U

LCS (AA04471-BS1)		Prepared: 01/22/20 Analyzed: 01/23/20									
Nitrate + Nitrite as N	0.395	0.040	0.20	mg/L	0.400		98.7	85-115			

LCS Dup (AA04471-BSD1)		Prepared: 01/22/20 Analyzed: 01/23/20									
Nitrate + Nitrite as N	0.392	0.040	0.20	mg/L	0.400		98.0	85-115	0.686	15	

Matrix Spike (AA04471-MS1)		Source: 20A2151-01			Prepared: 01/22/20 Analyzed: 01/23/20						
Nitrate + Nitrite as N	0.384	0.040	0.20	mg/L	0.400	0.0414	85.6	80-120			



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Project: ST - Storm Water Samples
Project Number: ST-011620

Reported:
02/04/20 09:55

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Alpha Analytical Laboratories, Inc.

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AA04471 - General Preparation

Matrix Spike Dup (AA04471-MSD1)

Source: 20A2151-01

Prepared: 01/22/20 Analyzed: 01/23/20

Nitrate + Nitrite as N	0.389	0.040	0.20	mg/L	0.400	0.0414	87.0	80-120	1.40	15	
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Batch AA04814 - General Preparation

Blank (AA04814-BLK1)

Prepared: 01/29/20 Analyzed: 01/30/20

Chemical Oxygen Demand	ND	9.0	50	mg/L							U
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LCS (AA04814-BS1)

Prepared: 01/29/20 Analyzed: 01/30/20

Chemical Oxygen Demand	410	9.0	50	mg/L	400		103	85-115			
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LCS Dup (AA04814-BSD1)

Prepared: 01/29/20 Analyzed: 01/30/20

Chemical Oxygen Demand	417	9.0	50	mg/L	400		104	85-115	1.57	20	
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Duplicate (AA04814-DUP1)

Source: 20A2305-01

Prepared: 01/29/20 Analyzed: 01/30/20

Chemical Oxygen Demand	13.2	9.0	50	mg/L		11.1			17.8	20	J
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Matrix Spike (AA04814-MS1)

Source: 20A2305-01

Prepared: 01/29/20 Analyzed: 01/30/20

Chemical Oxygen Demand	421	9.0	50	mg/L	400	11.1	103	85-115			
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Matrix Spike Dup (AA04814-MSD1)

Source: 20A2305-01

Prepared: 01/29/20 Analyzed: 01/30/20

Chemical Oxygen Demand	417	9.0	50	mg/L	400	11.1	101	85-115	1.04	20	
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Alpha Analytical Laboratories, Inc. email: clientservices@alpha-labs.com
Corporate: 208 Mason Street | Ukiah, CA 95482 | T: 707-468-0401 | F: 707-468-5267 | ELAP# 1551

Sandia National Laboratories
Accounts Payable MS1385 / PO Box 5800
Albuquerque NM, 87185

Project Manager: John Chavarria
Project: ST - Storm Water Samples
Project Number: ST-011620

Reported:
02/04/20 09:55

Notes and Definitions

J	Detected but below the Reporting Limit; therefore, result is an estimated concentration, detected but not quantified (DNQ).
U	Analyte included in analysis, but not detected at or above MDL.
*	No annual NAL for pH. Instantaneous Maximum NAL <6.0 or >9.0
MDL	Method Detection Limit
NA	NAL not available
NAL	Annual Numeric Action Level
ND	Analyte NOT DETECTED at or above the detection limit
RL	Reporting Limit
RPD	Relative Percent Difference

CHAIN OF CUSTODY RECORD AND ANALYTIC INSTRUCTIONS

20A2422

1.5 °C which

Sample ID	Location	S. Time	S. Date	Sample Mat'l	Analyze For	Method	# of Cont	Initials	Preservatives /Comments
ST-11-011620	Station 11	1200	01/16/20	Stormwater	Oil & Grease	EPA1664A	1 x 1L (Glass)		Preserved w/ H ₂ SO ₄ (GRAB)
ST-11-011620	"	"	"	"	TSS	SM2540D	1 x 1L		NONE (GRAB)
ST-11-011620	"	"	"	"	Zn, Fe, Al & Pb	200.7/ 200.8	1 x 500ml		Preserved w/ HNO ₃ (GRAB)
ST-11-011620	"	"	"	"	Nitrate+Nitrite as N	SM4500-NO3-E	1 x 1L		NONE (GRAB)
ST-11-011620	"	"	"	"	COD	SM5220D	1 x 500ml		Preserved w/ H ₂ SO ₄ (GRAB)
ST-11-011620	"	"	"	"	Total P	SM4500P	1x 250ml		Preserved with H ₂ SO ₄ (Grab)

Alpha Analytical Laboratories, Inc. WILL BE REQUIRED TO INFORM SANDIA NATIONAL LABS CA. IF IT APPEARS THAT THE ANALYTICAL DATA IS OF LIMITED USE DUE TO THEIR LABORATORY PROCEDURES AND HANDLING OR IF THE QA DATA DOES NOT MEET EPA STANDARDS.

Project Name or ID No: <u>ST-011620</u>	PO# <u>2035350</u>	Sample Released By: <u>[Signature]</u>
Sampler(s) Signature: <u>[Signature]</u>	Date/Time Sample Released: _____	Courier Sample Received By: <u>PZH</u>
Sandia Contact Name: <u>John Chavarria</u>	Courier Sample Received By: <u>PZH</u>	Date/Time Received: <u>1-17-20</u> <u>19:05</u>
Sandia Phone Number: <u>(925) 294-3473 / FAX(925) 294-2230</u>	Date/Time Sample Released: <u>1-17-20</u> <u>21:47</u>	Received by Lab Personnel: <u>PZH</u>
Sample Released By: <u>[Signature]</u>	Date/Time Sample Received: <u>1-17-20</u> <u>12:15</u>	Date/Time Received: <u>1-17-20</u> <u>21:47</u>
Laboratory Name, Address, Phone: <u>Alpha Analytical Laboratories, Inc.</u> <u>6398 Dougherty Road Suite 35</u> <u>Dublin, CA 94568 Phone (925) 828-6226 Fax (925) 828-6309</u>	1. Specify analytical method used and detection limits 2. Specify date 3. Notify Sandia of anomalies or problems 4. Provide QA/QC data along with the results 5. Tamper resistant seals are in place (yes/no)	

Please sign and return this form to: Sandia National Laboratories, Environmental Management Department, MS 9902
P.O Box 969, Livermore, Ca. 94551-0969

20A 2422

CHAIN OF CUSTODY RECORD AND ANALYTIC INSTRUCTIONS

1.5°C which

Sample ID	Location	S. Time	S. Date	Sample Mat'l	Analyze For	Method	# of Cont	Initials	Comments
ST-13-2-011620	Station 13-2	1210	01/16/20	Stormwater	Oil & Grease	EPA1664A	1 x 1L (Glass)		Preserved w/ H ₂ SO ₄ (GRAB)
ST-13-2-011620	"	"	"	"	TSS	SM2540D	1 x 1L		NONE (GRAB)
ST-13-2-011620	"	"	"	"	Zn, Fe, Al & Pb	200.7/ 200.8	1 x 500mL		Preserved w/ HNO ₃ (GRAB)
ST-13-2-011620	"	"	"	"	Nitrate+Nitrite as N	SM4500-NO3-E	1 x 1L		NONE (GRAB)
ST-13-2-011620	"	"	"	"	COD	SM5220D	1 x 500mL		Preserved w/ H ₂ SO ₄ (GRAB)
ST-13-2-011620	"	"	"	"	Total P	SM4500P	1x 250ml		Preserved w/ H ₂ SO ₄ (GRAB)

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Project Name or ID No: ST-011620

PO#2035350

Sample Released By: efSampler(s) Signature: [Signature]Date/Time Sample Released: 1-17-20 19:05

Sandia Contact Name: John Chavarria

Courier Sample Received By: PZH

Sandia Phone Number: (925) 294-3473 / FAX (925) 294-2230

Date/Time Received: 1-17-20 19:05Sample Released By: [Signature]Courier Sample Released By: PZHDate/Time Sample Released: 1/16/20 1413Date/Time Sample Released: 1-17-20 21:47Sample Received By: [Signature]Received by Lab Personnel: PZHDate/Time Sample Received: 1/17/20 1215Date/Time Received: 1-17-20 21:47

Laboratory Name, Address, Phone:

Alpha Analytical Laboratories, Inc.

6398 Dougherty Road Suite 35

Dublin, CA 94568 Phone (925) 828-6226 Fax (925) 828-6309

1. Specify analytical method used and detection limits

2. Specify date

3. Notify Sandia of anomalies or problems

4. Provide QA/QC data along with the results

5. Tamper resistant seals are in place (yes/no)

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P.O. Box 969, Livermore, Ca. 94551-0969

20A 2422

CHAIN OF CUSTODY RECORD AND ANALYTIC INSTRUCTIONS

1.5° which

Sample ID	Location	S. Time	S. Date	Sample Mat'l	Analyze For	Method	# of Cont	Initials	Comments
ST-011620Q	Station 11	1200	01/16/20	Stormwater	Oil & Grease	EPA1664A	1 x 1L (Glass)		Preserved w/ H ₂ SO ₄ (GRAB)
ST-011620Q	"	"	"	"	TSS	SM2540D	1 x 1L		NONE (GRAB)
ST-011620Q	"	"	"	"	Zn, Fe, Al & Pb	200.7/ 200.8	1 x 500mL		Preserved w/ HNO ₃ (GRAB)
ST-011620Q	"	"	"	"	Nitrate+Nitrite as N	SM4500-NO3-E	1 x 1L		NONE (GRAB)
ST-011620Q	"	"	"	"	COD	SM5220D	1 x 500mL		Preserved w/ H ₂ SO ₄ (GRAB)
ST-011620Q	"	"	"	"	Total P	SM4500P	1x 250ml		Preserved w/ H ₂ SO ₄ (GRAB)

Alpha Analytical Laboratories, Inc. WILL BE REQUIRED TO INFORM SANDIA NATIONAL LABS CA. IF IT APPEARS THAT THE ANALYTICAL DATA IS OF LIMITED USE DUE TO THEIR LABORATORY PROCEDURES AND HANDLING OR IF THE QA DATA DOES NOT MEET EPA STANDARDS.

Project Name or ID No: ST-011620 PO#2035350

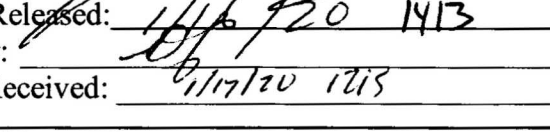
Sampler(s) Signature: 

Sandia Contact Name: John Chavarria

Sandia Phone Number: (925) 294-3473 / FAX(925) 294-2230

Sample Released By: 

Date/Time Sample Released: 1/16/20 1413

Sample Received By: 

Date/Time Sample Received: 1/17/20 1215

Sample Released By: 

Date/Time Sample Released: _____

Courier Sample Received By: PH

Date/Time Received: 1-17-20 19:05

Courier Sample Released By: PH

Date/Time Sample Released: 1-17-20 21:47

Received by Lab Personnel: _____

Date/Time Received: 1-17-20 21:47

Laboratory Name, Address, Phone:

Alpha Analytical Laboratories, Inc.

6398 Dougherty Road Suite 35

Dublin, CA 94568 Phone (925) 828-6226 Fax (925) 828-6309

1. Specify analytical method used and detection limits

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